

**Table 3-16: Impacts of Short-Line Routing Alternatives:
Vegetation**

Alternative	Impacts
McNary Substation Alternatives	
A. Relocate administration building presently located on north side of substation adjacent to Wildlife Natural Area	Approximately 2 acres of permanent impact to grassland communities for the new location of building.
B. Cross Wildlife Natural Area; circumvent administration building on north side	Cottonwood trees and some vegetation would be removed for tower sites and conductor clearance. These cottonwoods are somewhat unique given the dry conditions that prevail over most of the route. The are supported by a local seep. Since the seep will not be altered, similar moisture-dependent woody species will likely regenerate in the areas where cottonwoods are cut.
C. Place line in bus work at ground level on north side of administration building, inside Wildlife Natural Area	Approximately 0.7 acre of permanent impact to grassland communities for construction, operation and maintenance of 1,600 feet of bus work.
Hanford-John Day Junction Alternatives	
A. Move existing Hanford-John Day line north 200 feet to make room for new line on north side of corridor	Less than 1.3 acres of temporary construction impacts to <u>grazed shrub-steppe</u> for six relocated towers, 1.2 <u>2.4</u> acres of temporary <u>permanent</u> impacts from new access road construction for six relocated towers and associated, and 0.6 acre of permanent impact from new access road operation and maintenance.
B. Place new line on south side of corridor (occupied by roads and towers)	0.5 <u>4.0</u> acres of temporary construction impacts to <u>grazed shrub-steppe</u> for up to two-eight additional towers; 0.1 <u>3.6</u> acres of permanent impacts for two-eight additional towers; 3.1 <u>acres of impacts resulting from and associated</u> construction and operation and maintenance of new access roads; removal of up to 12 trees-of-heaven (<i>Ailanthus altissima</i>).
C. Place new line on south side of highway	0.5 <u>5.0</u> acres of temporary construction impacts to <u>grazed shrub-steppe</u> for up to two <u>10</u> additional towers; 0.1 <u>6.8</u> acres of permanent impacts for two <u>10</u> additional towers; 6.2 <u>acres of impacts resulting from and associated</u> construction and operation and maintenance of new access roads; removal of up to 12 trees-of-heaven (<i>Ailanthus altissima</i>)
Corridor Mile 32 Alternatives	
A. Keep existing and new lines on tribal land	0.75 <u>2.0</u> acres of temporary construction impacts for three <u>four</u> new towers; 0.15 <u>0.8</u> acre of permanent operation and maintenance impacts for three <u>four</u> new towers; 0.42 <u>acre of impacts resulting from and associated</u> construction, operation and maintenance of new access roads to three <u>the</u> new towers. All impacts would occur in agricultural land.

Table 3-16, continued

Alternative	Impacts
B. Relocate existing and new lines away from tribal land	2.25 <u>2.5</u> acres of temporary construction impacts for nine <u>nine</u> five <u>five</u> new towers; 0.5 <u>1.0</u> acre of permanent operation and maintenance impacts for nine <u>nine</u> five <u>five</u> new towers; 1.26 <u>1.26</u> acres of impacts resulting from and associated construction, operation and maintenance of new access roads to nine <u>nine</u> the <u>the</u> new towers. All impacts would occur in agricultural land.
Corridor Mile 35 Alternatives	
A. Keep existing and new lines on tribal land	1.0 <u>2.0</u> acres of temporary construction impacts for four new towers; 0.2 <u>0.8</u> acre of permanent operation and maintenance impacts for four new towers; 0.57 <u>0.57</u> acre of impacts resulting from and associated construction, operation and maintenance of new access roads to four new towers. All impacts would occur in grazed shrub-steppe.
B. Relocate existing and new lines away from tribal land	2.0 <u>2.5</u> acres of temporary construction impacts for eight <u>eight</u> five <u>five</u> new towers; 0.4 <u>1.0</u> acre of permanent operation and maintenance impacts for eight <u>eight</u> five <u>five</u> new towers; 1.14 <u>1.14</u> acres of impacts resulting from and associated construction, operation and maintenance of new access roads to eight <u>eight</u> five <u>five</u> new towers. All impacts would occur in grazed shrub-steppe.